

Docket No. : **KS-115PCT**  
U.S. Application No. : **10/069,535**  
International Application No. : **PCT/EP00/03011**  
International Filing Date. : **April 5, 2000**  
Priority Date Claimed : **April 26, 1999**  
Title of Invention : **METHOD AND DEVICE FOR SHAPING THERMOPLASTIC HOLLOW BOARDS**  
Applicant(s) for (DO/EO/US) : **Markus Feurer**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures 35 U.S.C. 371 (f) at any time rather than delay examination until the expiration of the applicable time limit set forth in 35 U.S.C 371(b) and PCT Articles 22 and 39(1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☐ A copy of the International Application as filed [35 U.S.C. 371(c)(2)].
  - a) ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b) ☐ has been transmitted by the international Bureau.
  - c) ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English [35 U.S.C.371(c)(2)].
7. ☐ Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C.371(c)(3)].
  - a) ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b) ☐ have been transmitted by the International Bureau.
  - c) ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d) ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 [35 U.S.C.371(c)(3)].
9. ☐ An oath or declaration of the inventor(s) [35 U.S.C.371(c)(4)].
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C.371(c)(5)].

Items 11. to 16. below concern other document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 C.F.R. 1.97 and 198.
12. ☐ An Assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ (other items or information) International Preliminary Examination Report

RECEIVED  
JUN 11 2002  
TC 1700

I hereby certify that this correspondence is being deposited with the United States Postal Service First Class mail under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, DC 20231.

March 12, 2002

*F. Kueffner*

Friedrich Kueffner

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ORIGINALLY FILED

17. The following fees are submitted:

**BASIC NATIONAL FEE [37 CFR 1.492(a)(1)-(5)]:**

- \_\_\_ Search Report has been prepared by the EPO or JPO..... \$ 890.00  
\_\_\_ International preliminary examination fee paid to USPTO [37 CFR 1.482]..... \$ 710.00  
\_\_\_ No International preliminary examination fee paid to USPTO [37 CFR 1.482]  
but International search fee paid to USPTO [37CFR 1.445(a)(2)]..... \$ 740.00  
\_\_\_ Neither International preliminary examination fee [37 CFR 1.482] nor  
International search fee [37 CFR 1.445(a)(2)] paid to USPTO:..... \$ 1040.00  
\_\_\_ International preliminary examination fee paid to USPTO [37 CFR 1.482]  
and all claims satisfied provisions of PCT Article 33 (2) to (4):..... \$ 100.00

ENTER APPROPRIATE BASIC FEE AMOUNT: \$

Surcharge of \$ 130.00 for furnishing the oath or declaration later than \_\_\_20\_\_\_30 months  
from the earliest claimed priority date [37 CFR 1.492(e)] \$

Claims	filed	Extra	Rate
Total Claims	6	-20=	x \$ 18.=
Indep. Claims	1	-3=	x \$ 84.=
Multiple Dependent Claims (if applicable) + \$ 280.=			

TOTAL OF ABOVE CALCULATIONS: \$

Reduction by ½ for filing by small entity, if applicable.

(divided by 2)

SUBTOTAL: \$

Processing fee of \$ 130.00 for furnishing the English translation later than \_\_\_20\_\_\_30 months  
from the earliest claimed priority date [37 CFR 1.492(f)] \$

TOTAL NATIONAL FEE: \$

Fee for recording the enclosed assignment [37 CFR 1.21(h)] the assignment must be  
accompanied by an appropriate cover sheet [37 CFR 3.28,3.31]. \$ 40.00 per property \$

TOTAL FEES ENCLOSED: \$

AMOUNT TO BE REFUNDED: Refunded \$

AMOUNT TO BE CHARGED: Charged \$

- a) \_ A check in the amount of \$ to cover the above fees is enclosed.  
b) \_ Please charge my Deposit Account No. 11-1835 in the amount of \$ to cover the above fees.  
A duplicate copy of this sheet is enclosed.  
c) \_ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
overpayment to Deposit Account No. 11-1835. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 36 CFR 1.494 or 1.495 has not been met, a petition to revive [37 CFR 1.137(a) or (b)] must  
be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Friedrich Kueffner  
317 Madison Avenue  
Suite 910  
New York, NY 10017

Friedrich Kueffner  
Name

signature

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29,482  
Reg. No.

March 12, 2002  
Date

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

10

Applicant's or agent's file reference 23 972 Si/te	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP00/03011	International filing date (day/month/year) 05 April 2000 (05.04.00)	Priority date (day/month/year) 26 April 1999 (26.04.99)
International Patent Classification (IPC) or national classification and IPC B29C 51/14		
Applicant KR-PORSIPLAST VERPACKUNGSSYSTEME GMBH		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 13 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 11 November 2000 (11.11.00)	Date of completion of this report 12 July 2001 (12.07.2001)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP00/03011

## I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

- ☐ the international application as originally filed.
- ☒ the description, pages \_\_\_\_\_, as originally filed,  
 pages \_\_\_\_\_, filed with the demand,  
 pages 1-9, filed with the letter of 24 April 2001 (24.04.2001),  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☒ the claims, Nos. \_\_\_\_\_, as originally filed,  
 Nos. \_\_\_\_\_, as amended under Article 19,  
 Nos. \_\_\_\_\_, filed with the demand,  
 Nos. 1-6, filed with the letter of 24 April 2001 (24.04.2001),  
 Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☒ the drawings, sheets/fig \_\_\_\_\_, as originally filed,  
 sheets/fig \_\_\_\_\_, filed with the demand,  
 sheets/fig 1/2,2/2, filed with the letter of 24 April 2001 (24.04.2001),  
 sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	1-6	YES
	Claims		NO
Inventive step (IS)	Claims	1-6	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-6	YES
	Claims		NO

**2. Citations and explanations**

This report makes reference to the following documents:

D1: US-A-4 172 749

D2: FR-A-2 607 434

D3: FR-A-2 208 767.

1. Document D1, which is considered the closest prior art, discloses (see all of D1) a method from which the subject matter of Claim 1 differs in that the hollow chamber in the hollow board is sealed with the exception of at least one supply hole for a filler medium or in that after said hollow chamber has been sealed completely at least one supply hole for filler medium is introduced into the wall of the hollow chamber, and in that the hollow chamber, which is sealed in a gas-tight manner, is filled with at least one filler medium.

These features permit the free choice of filler medium and filler medium properties (temperature, etc.) and the defined build-up of a pressure counteracting the deformation pressure exerted from

the outside. The present invention can therefore be understood to solve the problem of making the method known from D1 more versatile.

The proposed solution is not suggested by the available prior art.

The subject matter of Claim 1 consequently meets the requirements of PCT Article 33(2) and (3).

2. Claims 2-6 are dependent on Claim 1 and therefore likewise meet the PCT requirements for novelty and inventive step.

## PATENT COOPERATION TREATY

**PCT**  
**NOTIFICATION OF TRANSMITTAL**  
**OF COPIES OF TRANSLATION**  
**OF THE INTERNATIONAL PRELIMINARY**  
**EXAMINATION REPORT**

(PCT Rule 72.2)

From the INTERNATIONAL BUREAU

To: **EDGESANGEN 30. Okt. 2001**

SCHMITT, Martin  
 Kohler Schmid + Partner  
 Patentanwälte GbR  
 Ruppmannstrasse 27  
 D-70565 Stuttgart  
 ALLEMAGNE

Date of mailing (day/month/year) 19 October 2001 (19.10.01)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference 23 972	
International application No. PCT/EP00/03011	International filing date (day/month/year) 05 April 2000 (05.04.00)
Applicant KR-PORSIPLAST VERPACKUNGSSYSTEME GMBH et al	

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

**2. Transmittal of the copy of the translation to the elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

AU,CA,CN,JP,KP,KR,NZ,PL,US

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AP,EA,EP,AE,AG,AL,AM,AT,AZ,BA,BB,BG,BR,BY,CH,CR,CU,CZ,DE,DK,DM,DZ,EE,ES,FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MA,MD,MG,MK,MN,MW,MX,NO,PT,RO,RU,SD,SE,SG,SI,SK,SL,TJ,TM,TR,TT,TZ,UA,UG,UZ,VN,YU,ZA,ZW,OA

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. (41-22) 740.14.35	Authorized officer  Charlotte ENGER  Telephone No. (41-22) 338.83.38
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